**Cafe Management System**

**Description**

You are tasked with building a cafe management application in Java. This system will manage the cafe's inventory of food and drinks, customer orders, and payments. The system will also track staff members and manage tables for customers.

**Assignments**

**Assignment 1: Manage Menu Items**

* Create methods to add, remove, and update Food and Drink items in the cafe’s inventory.
* Implement a method to check the availability of items based on stock.

**Assignment 2: Handle Customer Orders**

* Implement a method to allow customers to place orders for food and drinks.
* Calculate the total price for each order based on selected items and update stock accordingly.
* Allow orders to be marked as fulfilled.

**Assignment 3: Table Management**

* Create a method to assign tables to customers based on their party size.
* Track the status of tables (available/occupied) and allow tables to be freed when customers leave.

**Assignment 4: Payment Processing**

* Create a payment processing system that accepts cash and card payments.
* Implement methods to confirm payment and update the order status to fulfilled.

**Assignment 5: Write Unit Tests**

* Write unit tests for managing menu items, placing orders, table management, and payment processing.
* Ensure that tests cover scenarios for out-of-stock items, order total calculations, and payment confirmations.